

Product Bulletin

GCP 4000—DT 5.2.1 Update and Firmware Options

31st July 2010

Issue 1.0

1 Applicability

All Safetran Model 4000 Grade Crossing Predictors supplied from July 2010

2 Information

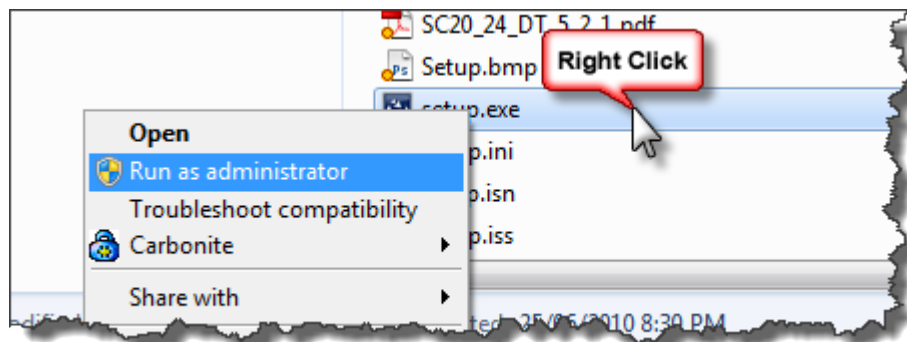
2.1 Diagnostic Terminal on Windows 7

Windows 7 security may inhibit the installation of DT. You may need to do one or both of these to install DT on Windows 7

Install as Administrator

Use when the installation does not complete

- Navigate the installation files and right click *setup.exe* to open a drop down menu



- Double click, *Run as administrator*

Register Components

Use when the installation appears to complete or hangs at the final stages.

Navigate to `C:\Program Files (x86)\Common Files\Safetran\GEO`

Use command line prompt to run `GEOEngineServer.exe /regserver`

2.2 DT Versions

DT Version 5.0.7 was released to support DAXing of Bidirectional predictors. This version added many new features that resulted in a different structure that did not support updating of older PAC files.

Safetran have now released DT version 5.2.1. This

- Supports use PSO modules in GCP 4000 chassis
- Provides new export and import features that assists in upgrading older PAC files.

There are no related changes to the GCP MEF or MCF versions.

2.3 Version Management

Invensys Rail supply GCP 4000 with the latest firmware version in each module and the chassis.

Some railways have not yet approved latest version or wish to keep the same version in a geographical area to simplify maintenance.

We will now be supplying a CD with each predictor that contains current and prior versions of

- Module Equipment Files (MEF) used in each module
- Module Configuration Files (MEF) used in the Chassis
- SEAR Executive files
- SEAR Application files.

3 What do I need to do?

3.1 Diagnostic Terminal (DT)

We suggest that you update design and maintenance PCs to the latest version of DT. There is no need to update hardware versions, unless you update the GCP itself.

3.2 Firmware Versions

Nothing unless you want to roll back to an earlier version.

There is an Installation Information sheet supplied with the CD. This explains which files are available and their compatibility.

It references the Field Installation, Commissioning and Maintenance Guides that include software installation details.

You will require

- A DB9 male to DB9 Female straight through serial cable, and
- a PC with a serial port (or operational USB to Serial cable), or
- an internal DT module, and the files installed on a USB memory stick

You must use the PC option for updating SEAR.

4 Importing old PAC files for MCF gcp-t6x-02-2

4.1 Saving the file for import

- Start DT 5.2.1 (you must use this version or later)
- Click Program or the Prog button
- Click the Open button
- Select and open the old file
- Select the CFG File button
- Select Save Configuration
- Select the Close button

4.2 Importing the values

- Click the New button
- Select the gcp-t6x-02-2 mcf
- Select the CFG File button
- Select Import Values
- Navigate to and select the Config-NNNNNA.val.xml file (where NNNNNNA is the filename and normally the DoT Crossing Number)

Ensure that you select the file ending “.val.xml”

- Wait until DT reads all the variables then save the resultant listing.
- Save the PAC file (possibly under a different name)
- Open the Import.txt (or whatever you called it) and check each line commencing *Error*. These will probably refer to items that are not in your system and if so, can be disregarded. Otherwise, you will need to manually correct them.
- Check and save the PAC file

5 How can I get Help?

Contact our Sales staff. They can send you latest version of DT or direct you to an appropriate expert.